

Remarks

Applicant respectfully requests replacement of originally filed informal drawings sheets, and consideration of previously submitted and recently submitted information disclosure statements.

Drawings

Appendix A contains two (2) sheets of formal drawings that replace sheets nos. **11-13 (Figs. 21-28)** of the originally filed informal drawings. Applicant respectfully submits that no new matter has been added by this amendment.

Request for Consideration and Acknowledgement of Previously Submitted Information Disclosure Statements

Applicant respectfully requests the Examiner's consideration and acknowledgement of the references listed in the following previously submitted Information Disclosure Statements and a recently submitted Information Disclosure Statement, copies of which are provided herewith in the attached **Appendix**, along with the associated acknowledgment pages:

Appendix	Date	Description
B	01/02/04	IDS via facsimile (29 U.S. Patents; 17 Other Prior Art Documents)
B	01/02/04	IDS via facsimile (6 U.S. Patents)
C	01/20/05	IDS via facsimile (1 Other Prior Art Document)

Request for Determination of Patent Term Adjustment

The Patent Term Adjustment to date for the instant application is 85 days. Applicant respectfully submits that this amendment and the Information Disclosure Statement recently filed on 20 January 2005 may act to reduce the Patent Term Adjustment. Applicant respectfully requests that the Patent Term Adjustment be recalculated after entry of this amendment and after consideration of the Information Disclosure Statement recently filed on 20 January 2005.

Summary and Conclusions

Replacement drawing sheets 11 and 12 have been filed for Figs. 21-28. Applicant respectfully requests consideration of two previously filed Information Disclosure Statements, and one recently filed Information Disclosure Statement. Applicant respectfully submits that no new matter has been added by this amendment. Applicant respectfully submits that the instant application is now in the proper form for Issuance.

Respectfully Submitted,



Kurt L. VanVoorhies

Registration No. 38,643

Phone: 248-364-2100

Facsimile: 248-364-2200

Dinnin & Dunn, P.C.

2701 Cambridge Court, Suite 500

Auburn Hills, MI 48326

5701-00298

21 January 2005

Amendments to the Drawings:

Appendix A contains two (2) sheets of formal drawings that replace sheets nos. **11-13 (Figs. 21-28)** of the originally filed informal drawings. Applicant respectfully submits that no new matter has been added by this amendment.

Application No. 10/604,716
Request and Submission dated 21 January 2005
Reply to Notice of Allowance mailed on 05 January 2004

Attorney Docket No. 5701-00298

PATENT

Appendix A

Replacement Drawing Sheets 11-12 (Figs. 21-28)

Application No. 10/604,716
Request and Submission dated 21 January 2005
Reply to Notice of Allowance mailed on 05 January 2004

Attorney Docket No. 5701-00298

Appendix B

Information Disclosure Statements Filed on 2 January 2004



Auto-Reply Facsimile Transmission

TO: Fax Sender at 9062976014

Fax Information

Date Received:

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Cover
Page

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KLVMPHDEP3 VORTEXX

PAGE 01-

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ROBERT A. DUNN
MICHAEL T. RAGGIO
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JONATHAN F. YATES

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(REGISTERED PATENT AGENT)

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SPECIALIZING IN
INTELLECTUAL PROPERTY LAW:
PATENT, TRADEMARK, COPYRIGHT,
AND TECHNOLOGY RELATED CAUSES

FACSIMILE COVER SHEET

To: Group 2812
FAX #: 703-872-9306
From: Kurt L. VanVoornis
Date: 2 January 2004

Total number of pages (including cover sheet): 13

Message:

In re Application of:

James P. Ebling et al.

Serial No.: 10/604,716

Filed: August 12, 2003

For: MULTI-BEAM ANTENNA

Group: 2812

Examiner:

Attorney Docket No.: 5701-00298

Facsimile Contents

1. Transmittal Form - 1 page
2. INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(b)(3) and 1.98(d)(1) - 2 pages;
3. FORM PTO-1449 - 6 pages;
4. INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(b)(3) - 2 pages;
5. FORM PTO-1449 - 1 page;
6. Certificate of Mailing (on items 1, 2 and 4).

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James P. Ebling et al.

Serial No.: 10/604,716

Filed: August 12, 2003

For: MULTI-BEAM ANTENNA/

Group: 2812

Examiner:

Attorney Docket No.: 5701-00298

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(b)(3) and 1.98(d)(1)

2 January 2004

Mail Stop DD

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b)(3), i.e., filing the statement before the mailing date of a first Office action on the merits.

Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted Under 37 C.F.R. §1.98(d)(1)

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 10/202,242, filed on July 23, 2002, now U.S. Patent No. 6,606,077.

Enclosed herewith is the List of References Cited by Applicant (PTO-1449). These references were submitted to, and/or cited by, the Office in the prior applications and, therefore, are not required to be provided in this application.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))


I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop DD Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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- ☒ transmitted by facsimile to the Patent and Trademark Office to FAX number 703-872-9306


Signature

Date: 2 January 2004

Kurt L. VanVoorhies
(type or print name of person certifying)

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

Applicant, by submitting this Information Disclosure Statement, is attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Information Disclosure Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, is otherwise "material to patentability," as that term is defined in that section.

Dinnin & Dunn, P.C.
2701 Cambridge Court, Suite 500
Auburn Hills, MI 48326
5701-00298
4 January 2004

Enclosure

Respectfully submitted,



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Based on Form PTO-1449
(3/90)

ATTY. DOCKET NO.

5701-00298

SERIAL NO.

10/604,716

Page 1

APPLICANT

James P. Ebling et al.

FILING DATE

August 12, 2003

January 2, 2004

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	AA	3,761,936	9/25/1973	Archer et al.	343	754	
	AB	3,972,043	7/27/1976	Locus	343	756	
	AC	4,222,054	9/9/1980	Capps	343	754	
	AD	4,268,831	5/19/1981	Valentino et al.	343	754	
	AE	4,288,795	9/8/1981	Shelton	343	754	
	AF	4,638,322	1/20/1987	Lamberty	343	761	
	AG	4,641,144	2/3/1987	Prickett	343	754	
	AH	4,845,507	7/4/1989	Archer et al.	343	754	
	AI	4,983,237	1/8/1991	Alfing	156	83	
	AJ	5,099,253	3/24/1992	Archer	343	754	
	AK	5,204,686	4/20/1993	Petrelis et al.	342	374	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	G. Bekefi, and G. W. Farnell, "A homogenous dielectric sphere as a mi-crowave lens," Canadian Journal of Physics, vol. 34, pp. 790-803, 1956.
	AS	G. Toraldo di Francia, "Spherical lenses for infrared and microwaves," Journal of Applied Physics, vol. 32, pp. 2051, 1961.
	AT	Tomos L. Ap Rhys, "The design of radially symmetric lenses," IEEE Trans. on Antennas and Propagation, AP-18, pp. 497-506, July 1970.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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10/604,716

Page 2

APPLICANT

James P. Ebling et al.

FILING DATE

August 12, 2003

January 2, 2004

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	BA	5,274,389	12/28/1993	Archer et al.	343	754	
	BB	5,347,287	9/13/1994	Speciale	342	375	
	BC	5,451,969	9/19/1995	Toth et al.	343	781 CA	
	BD	5,548,294	8/20/1996	Sturza	342	372	
	BE	5,576,721	11/19/1996	Hwang et al.	343	753	
	BF	5,712,643	1/27/1998	Skladany	343	700 MS	
	BG	5,745,082	4/28/1998	Alder	343	753	
	BH	5,821,908	10/13/1998	Sreenivas	343	911 R	
	BI	5,828,344	10/27/1998	Alder et al.	343	755	
	BJ	5,874,915	2/23/1999	Lee et al.	342	375	
	BK	5,892,487	4/6/1999	Fujimoto et al.	343	840	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
	BL							
	BM							
	BN							
	BO							
	BP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BR	L. C. Gunderson, "An electromagnetic analysis of a cylindrical homogeneous lens," IEEE Trans. on Antennas and Propagation, AP-20, pp. 476-479, July 1972.
	BS	S. Lee, M. S. Sheshadri, V. Jamnejad, and R. Mittra, "Refraction at a curved dielectric interface: geometrical optics solution," IEEE Trans. on Microwave Theory and Techniques, MTT-30, no. 1, pp. 12-19, Jan 1982.
	BT	M. N. Afsar, "Dielectric measurements of common polymers at millimeter wavelength range," in IEEE MTT-S Digest, pp. 439-442, 1985.

EXAMINER

DATE CONSIDERED

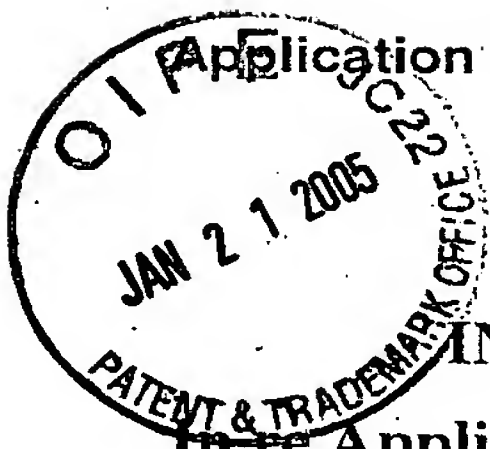
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Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 5701-00298		SERIAL NO. Page 3 10/604,716	
				APPLICANT James P. Ebling et al.			
				FILING DATE August 12, 2003		January 2, 2004	
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	CA	5,894,288	4/13/1999	Lee et al.	343	770	
	CB	5,913,549	6/22/1999	Skladany	29	600	
	CC	5,926,134	7/20/1999	Pons et al.	342	368	
	CD	6,031,501	2/29/2000	Rausch et al.	343	754	
	CE	6,046,703	4/4/2000	Wang et al.	343	795	
	CF	6,061,035	5/9/2000	Kinasewitz et al	343	853	
	CG	6,424,319	7/23/2002	Ebling et al.	343	911	
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	CJ						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
	CL						
	CM						
	CN						
	CO						
	CP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CR	J. Ashkenazy, E. Levine, and D. Treves, "Radiometric measurement of antenna efficiency," in Electron. Lett., vol. 21, no. 3, pp. 111-112, Jan 1985.					
	CS	K. S. Yngvesson, T. L. Korzeniowski, Y. S. Kim, E. L. Kollberg, and J. F. Johansson, "The tapered slot antenna - a new integrated element for mm-wave applications," IEEE Trans. on Microwave Theory and Techniques, MTT-37, no. 2, pp. 365-374, Feb. 1989.					
	CT	J. Sanford, "A luneberg-lens update," IEEE Antennas and Propagation Magazine, vol. 37, no. 1, pp. 76-79, 1995.					
EXAMINER				DATE CONSIDERED			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

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				APPLICANT James P. Ebling et al.			
				FILING DATE August 12, 2003		January 2, 2004	
				U. S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION <div style="text-align: center;">Yes No</div>
	DL						
	DM						
	DN						
	DO						
	DP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DR	S. Sugawara, Y. Maita, K. Adachi, K. Mori, and K. Mizuno, "A mm-wave tapered slot antenna with improved radiation pattern," in 1997 IEEE MTT-S Int. Microwave Symp. Dig., Anaheim, CA, June 1997, pp. 959-962.					
	DS	K. K. Chan, S. K. Rao, G. A. Morin, and M. Q. Tang, "Triangular ray-tube analysis of dielectric lens antennas," IEEE Trans. on Antennas and Propagation, vol. 45, no. 8, pp. 1277-1285, Aug 1997.					
	DT	F. Demmerle, S. Kern, and W. Wiesbeck, "A bi-conical multibeam antenna for space division multiple access," in Antennas and Propagation Society International Symposium, Montreal, Aug 1997, pp. 1082-1085.					
EXAMINER				DATE CONSIDERED			
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				FILING DATE August 12, 2003		January 2, 2004	
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
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	EL						
	EM						
	EN						
	EO						
	EP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER	H. Mosallaei, and Yahya Rahmat-Samii "Nonuniform luneburg and two-shell lens antennas: radiation characteristics and design optimization," IEEE Trans. on Antennas and Propagation, vol. 49, no. 1, pp. 60-68, Jan 2001.					
	ES	I. Gresham, N. Jain, T. Budka, A. Alexanian, N. Kinayman, B. Ziegner, S. Brown, and P. Staecker, "A compact manufactureable 76-77-GHz radar module for commercial ACC applications," IEEE Trans. on Microwave Theory and Techniques, vol. 49, no. 1, pp. 44-58, Jan 2001.					
	ET	B. Schoenlinner; X. Wu; G.V. Eleftheriades; G.M. Rebeiz, "Spherical-Lens Antennas for Millimeter Wave Radars", European Microwave Week 2001 Proc., pp. 317-320, vol. 3, September, 2001.					
EXAMINER				DATE CONSIDERED			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 5701-00298		SERIAL NO. Page 6 10/604,716	
				APPLICANT James P. Ebling et al.			
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U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
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	FF						
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	FH						
	FI						
	FJ						
	FK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
	FL						
	FM						
	FN						
	FO						
	FP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	FR	B. Schoenlinner; G.M. Rebeiz, "Compact Multibeam Imageing Antenna for Automotive Radars", 2002 IEEE MTT-S Digest, pp. 1373-1376, June 2002.					
	FS	B. Schoenlinner; X. Wu; J.P. Ebling; G.V. Eleftheriades; G.M. Rebeiz, "Wide-Scan Spherical-Lens Antennas for Automotive Radars", IEEE Transactions on Microwave Theory and Techniques, vol. 50, no. 9, September 2002					
	FT						
EXAMINER				DATE CONSIDERED			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							



Application Serial No.: 10/604,716

Attorney Docket No: 5701-00298

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James P. Ebling et al.

Serial No.: 10/604,716

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Group: 2812

Examiner:

Attorney Docket No.: 5701-00298

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(b)(3)

2 January 2004

**Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b)(3), i.e., filing the statement before the mailing date of a first Office action on the merits. Enclosed herewith is the List of References Cited by Applicant (PTO-1449). As the instant application was filed after June 30, 2003, in accordance with the OG Notice of 05 August 2003, copies of the cited U.S. patents cited therein are not submitted herewith.

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

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- ☒ transmitted by facsimile to the Patent and Trademark Office to FAX number 703-872-9306

Kurt L. Van Voorhies
Signature

Date: 2 January 2004

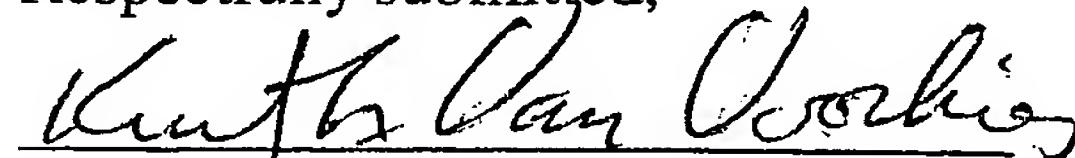
Kurt L. Van Voorhies
(type or print name of person certifying)

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Dinnin & Dunn, P.C.
2701 Cambridge Court, Suite 500
Auburn Hills, MI 48326
5701-00298
4 January 2004

Enclosure

Respectfully submitted,



Kurt L. VanVoorhies

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Phone: 248-364-2100

Facsimile: 248-364-2200



Based on Form PTO-1449
(3/90)

ATTY. DOCKET NO.

5701-00298

SERIAL NO.

Page 1

10/604,716

APPLICANT

James P. Ebling et al.

FILING DATE

August 12, 2003

January 2, 2004

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	AA	3,683,379	8/8/1972	Saddler et al.	343	7 ED	
	AB	5,264,859	11/23/1993	Lee et al.	343	754	
	AC	5,313,213	5/17/1994	Neumann et al.	342	165	
	AD	5,446,470	8/29/1995	Avingnon et al.	343	713	
	AE	5,963,172	10/5/1999	Pfizenmaier et al.	343	721	
	AF	6,606,077	8/12/2003	Ebling et al.	343	911L	
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Application No. 10/604,716

Attorney Docket No. 5701-00298

Request and Submission dated 21 January 2005

Reply to Notice of Allowance mailed on 05 January 2004

Appendix C

Information Disclosure Statement Filed on 21 January 2005

Auto-Reply Facsimile Transmission



TO: Fax Sender at 1 248 364 2200
Fax Information
Date Received: 1/20/2005 5:03:12 PM [Eastern Standard Time]
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ROBERT A. DUNN
MICHAEL T. RAGGIO

KURT L. VANVOORHIES, PH.D., P.E.
(REGISTERED PATENT AGENT)

DINNIN & DUNN, P.C.

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Michael R. Dinnin
LYMAN R. LYON
(1928-2000)
LLOYD M. FORSTER
(1919-1993)

SPECIALIZING IN
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AND TECHNOLOGY RELATED CAUSES

FACSIMILE COVER SHEET

To: Mall Stop Issue Fee / Group 2821 : Examiner Minh D. A
FAX #: 703-872-9306
From: Kurt L. VanVoorhies
Date: 20 January 2005

Total number of pages (including cover sheet) : 11

Message:

In re Application of:

James P. Ebling et al.

Serial No.: 10/604,716

Filed: August 12, 2003

For: MULTI-BEAM ANTENNA

Group: 2821

Examiner: Minh D. A

Attorney Docket No.: 5701-00298

Facsimile Contents:

1. Transmittal Form - 1 page
2. Credit Card Payment Form in the amount of \$180 - 1 page;
3. INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(d) and 1.97(e) - 2 pages;
4. FORM PTO-1449 - 1 page;
5. Item AR: Communication pursuant to Article 96(2) EPC (including associated claims) - 5 pages; and
6. Certificate of Mailing (on items 1 and 3).

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Application Serial No.: 10/604,716
Information Disclosure Statement Submitted on 20 January 2005

Attorney Docket No: 5701-00298

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/604,716 Confirmation No. : 1715
Applicant : James P. EBLING et al
Filed : 12 August 2003
TC/A.U. : 2821
Examiner : Minh D. A
Title : MULTI-BEAM ANTENNA
Docket No. : 5701-00298
Customer No. : 26659

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(d) and 1.97(e)

20 January 2005

**Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §§1.97(d) and 1.97(e), i.e., filing the statement after the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and is accompanied by the fee set forth in § 1.17(p) and the following statement: The undersigned hereby certifies that each item of information contained in the information disclosure statement (i.e. the Communication pursuant to Article 96(2) EPC responsive to the claims, the latter of which are included herewith for purposes of understanding the Communication) was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))


I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FACSIMILE

- ☒ transmitted by facsimile to the Patent and Trademark Office, Fax No. (703) 872-9306.


Signature

Date: 20 January 2005

Kurt L. VanVoorhies
(type or print name of person certifying)

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

Applicant, by submitting this Information Disclosure Statement, is attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Information Disclosure Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, is otherwise "material to patentability," as that term is defined in that section.

A Credit Card Payment Form in the amount of \$180 is enclosed herewith for payment of the fees under 37 C.F.R. §§ 1.17(p). The Commissioner is authorized to charge any deficiencies or credit any overpayments -- that cannot otherwise be made to the credit card -- to Deposit Account 04-1131.

Dinnin & Dunn, P.C.
2701 Cambridge Court, Suite 500
Auburn Hills, MI 48326
5701-00298
20 January 2005

Enclosure

Respectfully submitted,



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Based on Form PTO-1449 (3/90)	ATTY. DOCKET NO. 5701-00298	SERIAL NO. 10/604,716	Page 1
	APPLICANT James P. Ebling et al.		
	FILING DATE August 12, 2003	January 20, 2005	

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Communication pursuant to Article 96(2) EPC in European Application No. EP 00 98 0567.2 -2220 25 October 2004 in respect of examination results (3 pages), including all claims (1-10) of European Application No. EP 00 98 0567.2 (2 pages)
	AS	
	AT	

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.